

MD 30 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
4. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.

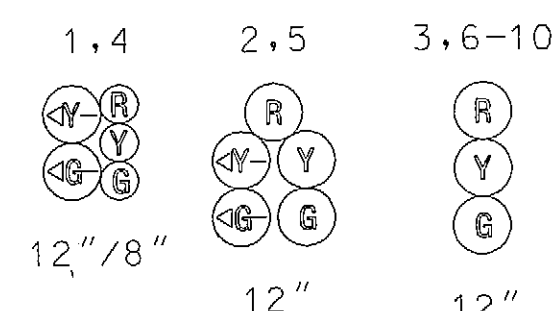
PROPOSED VIDEO DETECTION CAMERA

a, b, c, d

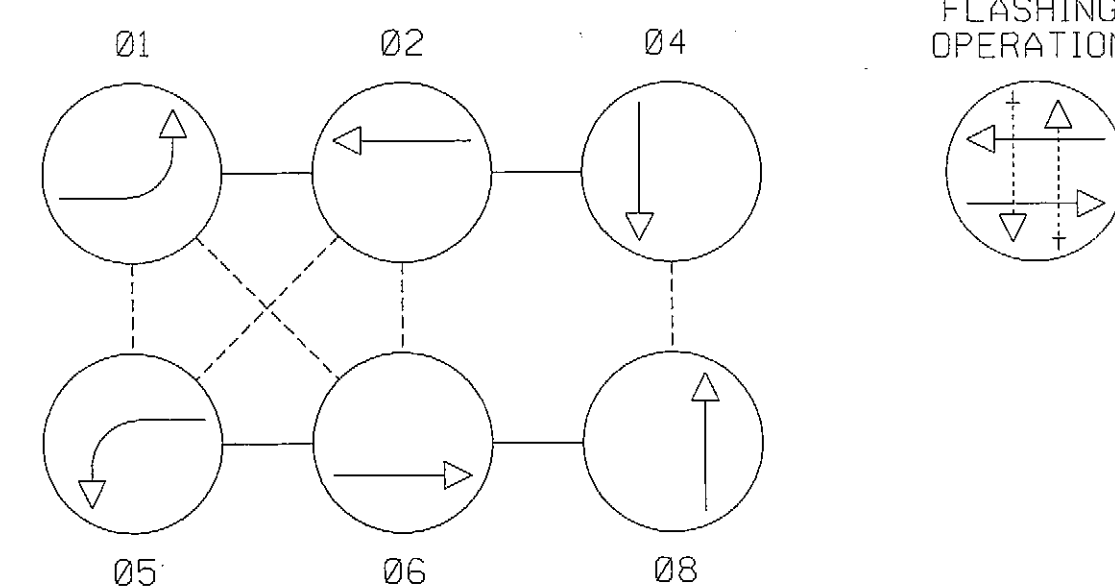
VIDEO ZONE DETECTION

a

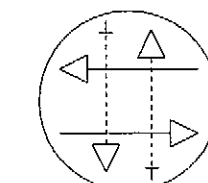
EXISTING SIGNALS



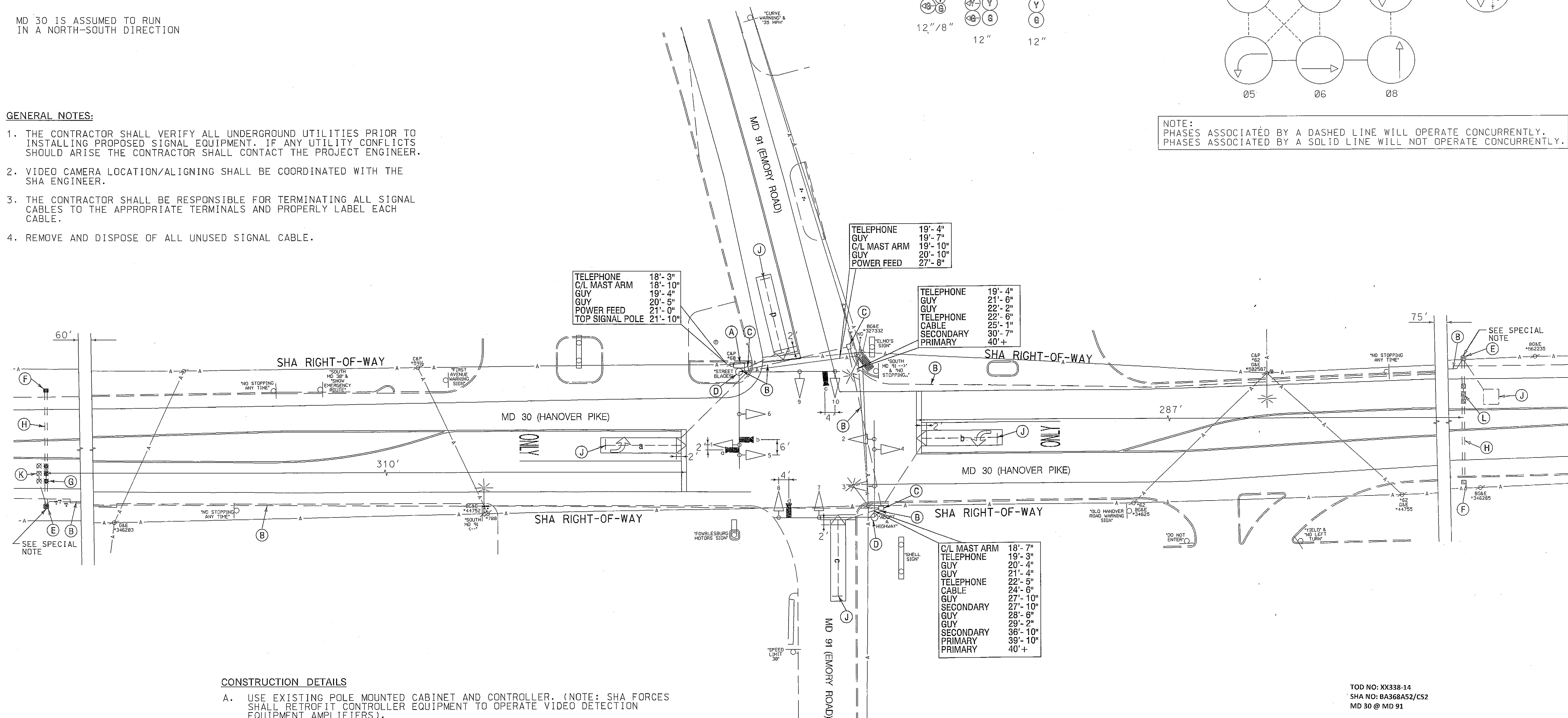
NEMA PHASING



FLASHING OPERATION



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- A. USE EXISTING POLE MOUNTED CABINET AND CONTROLLER. (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER TO OPERATE VIDEO DETECTION EQUIPMENT AMPLIFIERS).
- B. USE EXISTING CONDUIT.
- C. USE EXISTING HANDHOLE.
- D. USE EXISTING MAST ARM AND INSTALL OVERHEAD VIDEO DETECTION CAMERA(S) MOUNTED ON MAST ARM AS SHOWN.
- E. REMOVE EXISTING HANDHOLE AND RE-INSTALL IN-KIND ROTATING HANDHOLE 90 DEGREES TO ROADWAY ON TOP OF EXISTING CONDUIT HEADING NORTH/SOUTH LEAVING 6 IN. PROTRUDING INTO HANDHOLE.
- F. INSTALL HANDHOLE.
- G. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.
- H. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- J. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- K. ABANDON EXISTING PROBES. DISCONNECT AND REMOVE PROBE CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- L. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 500 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.

SPECIAL NOTE:

INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES. EXTEND CONDUIT A MINIMUM OF 2 IN. AND MAXIMUM OF 3 IN. INTO HANDHOLE.

TOD NO: X3338-14
SHA NO: BA368A52/CS2
MD 30 @ MD 91



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 30 (HANOVER PIKE) AT MD 91 (EMORY ROAD)
BALTIMORE, MARYLAND

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20'. ADVERTISED DATE 07/26/1989 CONTRACT NO. _____
DESIGNED BY _____ COUNTY Baltimore
DRAWN BY BRUCE THOMPSON JB LOGMILE _____
CHECKED BY _____ TMS NO. K488
F.A.P. NO. _____ TOD NO. _____
TS NO. 1620B DRAWING TSP-01 OF 2 SHEET NO. 01 OF 2

GEOMETRIC LEGEND	
—	EXISTING
---	PROPOSED
UTILITY LEGEND	
—SD—	STORM DRAIN
—G—	GAS MAIN
—W—	WATER MAIN
—S—	SEWER MAIN
—E—	ELECTRIC CABLES
—A—	AERIAL CABLES
—T—	TELEPHONE CABLES
—F—	FIBER-OPTIC

APPROVALS	
TEAM LEADER	
ASST. DIR. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
①	UPGRADE VIDEO DETECTION. INSTALL NON-INVASIVE PROBES. SHA CONTRACT NO. X3338-14. TMS NO. K488. 10/14/2010.
②	CHANGED FROM ICB TO FULLY-ACTUATED SIGNAL. 03/18/1990.

PLOTTED: 10-15-2010
FILE: N:\31889-283\CADD\p89-P001_K488.dgn

